

The inherent advantages of 2-channel stereo are reinforced on the YHF-397B by advanced audio engineering such as Pure Direct mode, variable loudness control and extended frequency response.



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Convenient Operation

- Pure Direct Amplification
- Discrete Amplifier Configuration
- Linear Damping
- High Dynamic Power, Low-Impedance Drive Capability
- Numerous convenient playback functions (40-track programmable play, random play, and A-B, single track and entire disc repeat)
- 3-mode CD Text display
- Peak search
- CD-tape synchronised record start

2

High Sound Quality

- Intelligent Digital Servo
- Over sampling separate DAC
- Display dimmer
- Aluminium front panel
- Speaker cabinet features a new design with innovative cross-bracing
- 2-way bass-reflex speaker system with innovative cross bracing

3

Advanced Facilities

- Continuously Variable Loudness Control and
- Bass/Treble/Balance Controls (with Center Clicks)
- Remote Controllable Motor-Driven Volume Control
- Speaker A, B or A+B Selection
- 40-Station AM/FM Random Access Preset Tuning
- RoHS Compliant

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Cosmetic Design

- Simply, cosmetic design concept
- Beautiful Yamaha piano finish

YHF-397B Main Specifications Receiver (RX-397B)

Minimum RMS Output Power (8 ohms, 20 Hz—20 kHz, 0.04% THD)	50W + 50W
Dynamic Power (8/6/4/2 ohms)	70 W/77 W/89 W/100 W
Damping Factor (8 ohms, 20 Hz-20 kHz)	150 (speaker A)
Input Sensitivity/Impedance	
Phono (MM)	2.5 mV/47 k-ohms
CD	50 mV/47 k-ohms
Frequency Response (Pure Direct)	
10 Hz-100 kHz	±1 dB
Total Harmonic Distortion (20 Hz—20 kHz)	
Phono (MM) to Record Out	0.02%
CD to Sp Out	0.02% (35 W/8 ohms)
Signal-to-Noise Ratio (Input Shorted)	
[Input Shorted 5 mV]	82 dB
CD [Input Shorted 150 mV]	108 dB
Dimensions (W x H x D)	435 x 146 x 308 mm
Weight	7.4 Kg.

CD Player (CDX-397B)

Frequency Response	2 Hz-20 kHz ±0.5 dB
Harmonic Distortion + Noise	0.003% (1 kHz)
Signal-to-Noise Ratio	105 dB
Dynamic Range	95 dB
Digital Outputs	1 optical
Dimensions (W x H x D)	435 x 87 x 287 mm
Weight	3.5 kg

Speakers (NX-E800)

Woofer	13cm cone
Tweeter	2.5cm dome
Input Power	(Max/Nominal) 110 W/60 W
Frequency Response	55 Hz—28 kHz
Impedance	6 ohms
Selectivity	87 dB/2.83 V/m
Dimensions (W x H x D)	186 x 300 x 223 mm
Weight	4.3 kg/unit

YHF-397BG Stereo Component System

High Quality Sound

Pure Direct Switch

When this switch is engaged, the signal bypasses the tone, loudness, balance controls, and other circuit, being fed directly to the discrete power amplifier. It travels in a straight line from the volume control, through the high-gain short, direct path for maximum signal purity.

Super Audio CD and DVD-Audio Ready with Extended Frequency Response

Rather than the usual 20Hz–20kHz frequency response, Yamaha has given the RX-397 the ability to handle frequencies from 10Hz to 100kHz (1dB). Although the ear cannot hear the higher frequencies, it has been proven that these harmonics can affect sound reproduction quality. Super Audio CD, DVD-Audio and other new formats will be able to output sound over this range, so the RX-397 is fully compatible with products using these formats.

Linear Damping

Level variations due to high amp impedance tend to reduce an amplifier's damping factor, and frequency variations cause it to fluctuate. This circuit cancels the effect of these variations, maintaining a high, stable damping factor, for superior articulation of all sounds and better frequency response.

High Dynamic Power, Low-Impedance Drive Capability

The RX-397B is capable of delivering large amounts of reserve power for accurate reproduction of high energy peaks. This emphasizes the music's dynamic qualities and provides a sharper sound image.

Discrete Amplifier Configuration

The CDX-397's CD buffer amplifier, volume control amplifier and power amplifier are all constructed from carefully selected discrete parts. This configuration provides superior signal quality.

Intelligent Digital Servo System

Conventional tracking servo circuitry cannot completely overcome errors caused by disc defects, war page, dust and so on. This system uses a microcomputer to monitor the signal, adjusting pickup tracking and focus, as well as spindle motor speed, to compensate for any problems.

Low-Impedance Power Supply

Because every signal part affects sound quality, Yamaha uses nothing but the best. The special Low-Impedance Power Supply, in the CDX-397B uses extra thick wires to ensure that power is absolutely stable even under low impedance conditions.

Display Dimmer

The CDX-397's front display dimmer function lets you dim the display when

you darken the room to suit your mood while listening to music. The brightness of the display can be set to Normal, Slightly Dim and Dim. Dimming the display also reduces any chance of noise interference from the LCD for highest audio quality.

Aluminium Front Panel

An aluminium front panel is used to effectively shield sensitive low-level circuitry from external noise and electronic radiation generated by dimmer switches, HVAC, fluorescent lighting and video displays (CRT, LCD, Plasma).

Convenient Operation

CD-R/RW Playback

The CDX-397B CD players can handle CD-R and CD-RW discs with ordinary songs. (Note that some discs may not play.)

Wealth of Playback Functions

In addition to ordinary play, there are a variety of ways you can enjoy the musical selections on your CDs. Random Play plays all the songs in a random order. If you want to hear them in a certain order, you can use the 40-Track Program Play function. There are also several repeat modes: Single Track, Entire Disc, Random Play, Programme Play and A-B (for repeating all songs between two points on the disc).

Auto Space Insert

Lets you add a short pause at the touch of a button on the remote control while recording to ensure that there is sufficient space between selections.

3-Mode CD Text Display

Get information about the CD currently playing right on the CD player's display. The 3-mode CD Text display shows the CD's title, the artist's name and the title of the track.

Peak Search

Gives you better sounding recording by searching the disc for the loudness part and playing it for a few seconds so you can set the proper recording level.

CD-Tape Synchronised Record Start

You'll have smooth recording starts each time, because Synchronised Record Start puts the deck into the recording mode a few seconds before starting CD play.

RoHS Compliant

This environmentally friendly unit fully complies with the EU's RoHS (Restriction of Hazardous Substances) standards.

Speaker Design

Speaker Cabinet Has New Design with Innovative Cross-Bracing

The cabinet is built with internal cross-bracing having a unique wedge structure. R-beveling reduces diffraction effects. This type of cross braced structure is used in top class speakers and Yamaha engineers are able to make the most of its advantages. It produces a tighter sound and the increased strength cuts down unwanted vibration.

Simply, Cosmetic Design Concept

This system provides Hi-Fi component-like design that same dedication to sound and design excellence is behind the creation of the top-class component.

Beautiful Yamaha Piano Finish Speakers

As the world's leading piano manufacturer, Yamaha has a long history of woodworking expertise. The E810 speakers have the same luxurious and environmentally friendly finish as our grand pianos.

Other Notable Features

- Remote Control Input/Output Terminals
- Tape Monitor Switch
- 5 Audio Input Terminals with Phono Input Terminal
- Impedance Selector (8 ohms/4ohms)
- 3-mode tape edit: random, automatic and manual
- Skip play (Track skip)
- Direct track access and index search
- Index number display and search
- 4-mode time display
- Last memory

